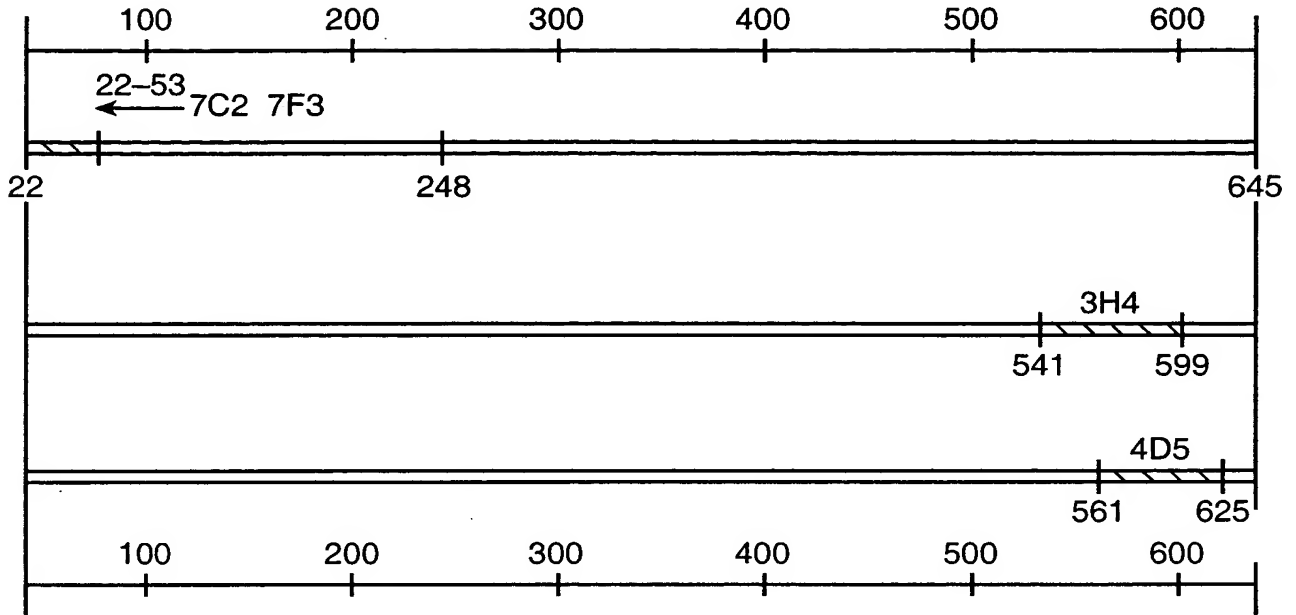


1 / 5

3H4 aa 541-599  
 4D5 aa 529-625  
 7C2 aa 22-53  
 7F3 aa 22-53



3H4 epitope (SEQ ID NO:8) 58 residues

VEECRVLQGLPREYVNARHCLPCHPECQPQNGSVTCFGPEADQCVACAHYKDPPFCVAR  
 | 541 | 599

4D5 epitope (SEQ ID NO:9) 64 residues

LPCHPECQPQNGSVTCFGPEADQCVACAHYKDPPFCVARCPGKPDLSYMPIWKFPDEEGACQP  
 | 561 | 625

**FIG.\_1**

1 MELAALCRWGLLLALLPPGAASTQVCTGTDMLRLPA  
 38 SPETHLDMLRHLYQGCQVVOGNLELTYPTNASLSFL  
 75 QDIQEVQGYVLIAHNQVRQVPLQRLRIVRGTQLFEDN  
 112 YALAVLDNGDPLNNTTPVTGASPGGLRELQLRSLTEI  
 149 LKGGVLIQRNPQLCYQDTILWKDIFHKNNQLALTID  
 186 TNRSRA

**FIG.\_2**

2 / 5

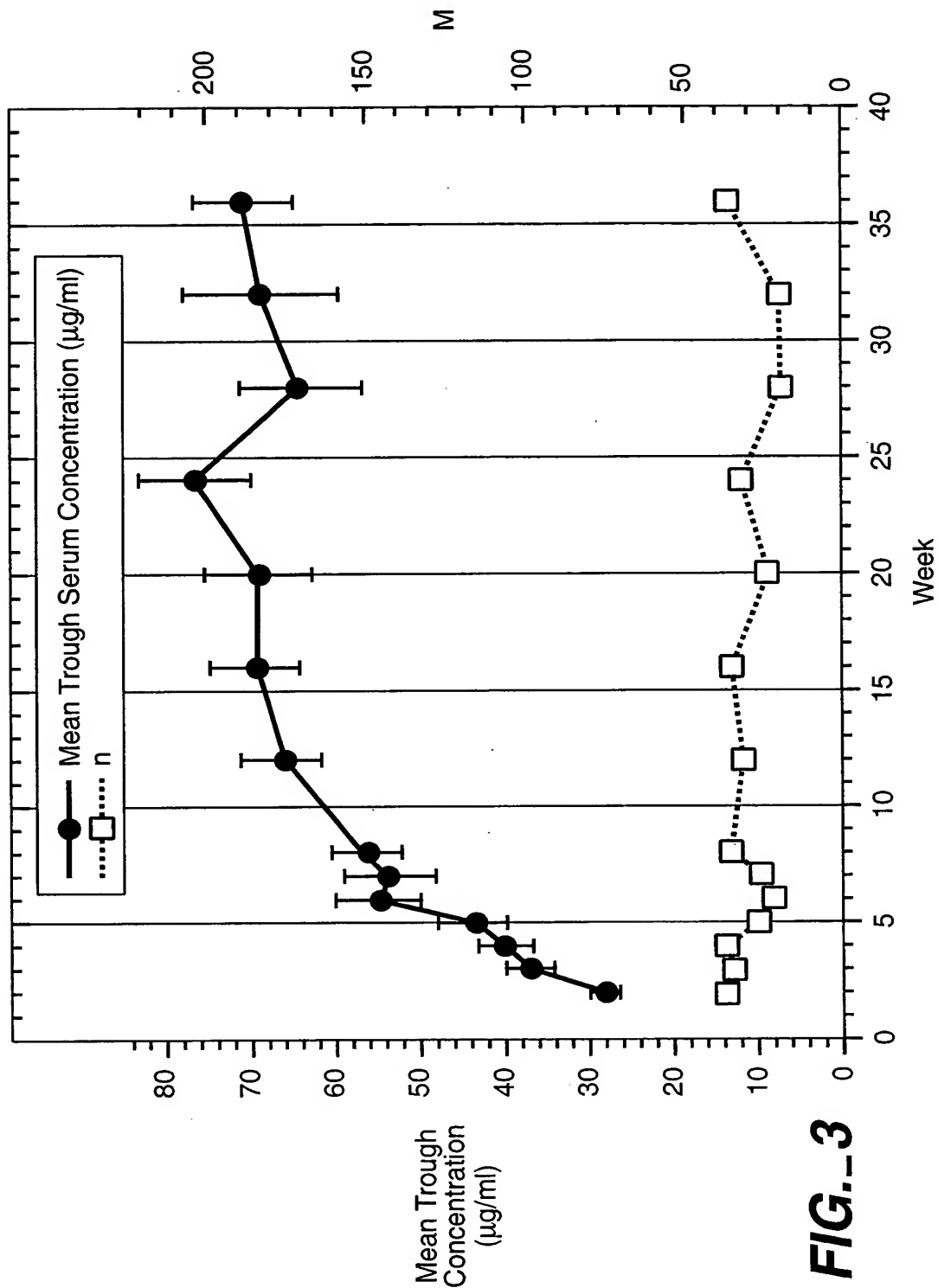


FIG.-3

3 / 5

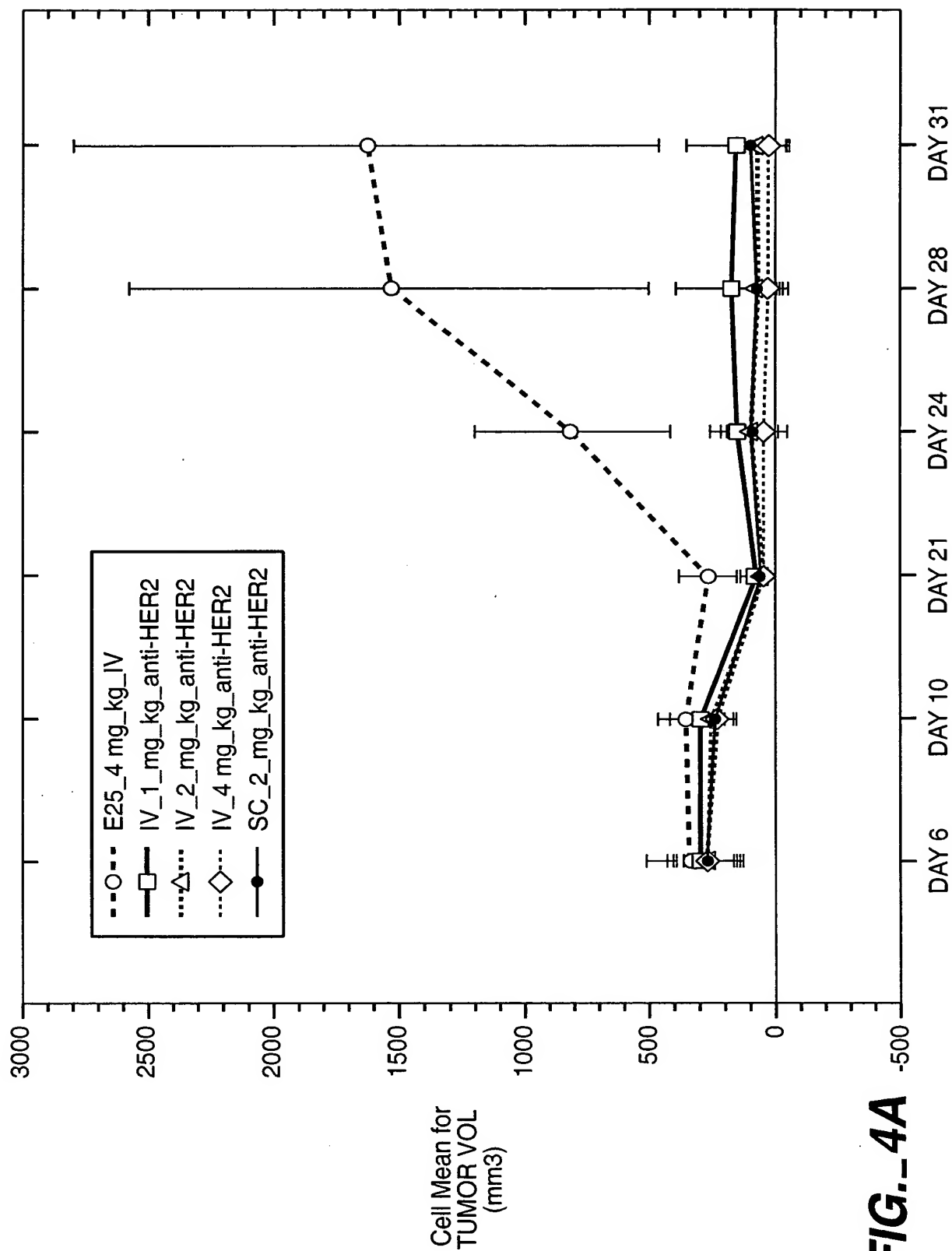
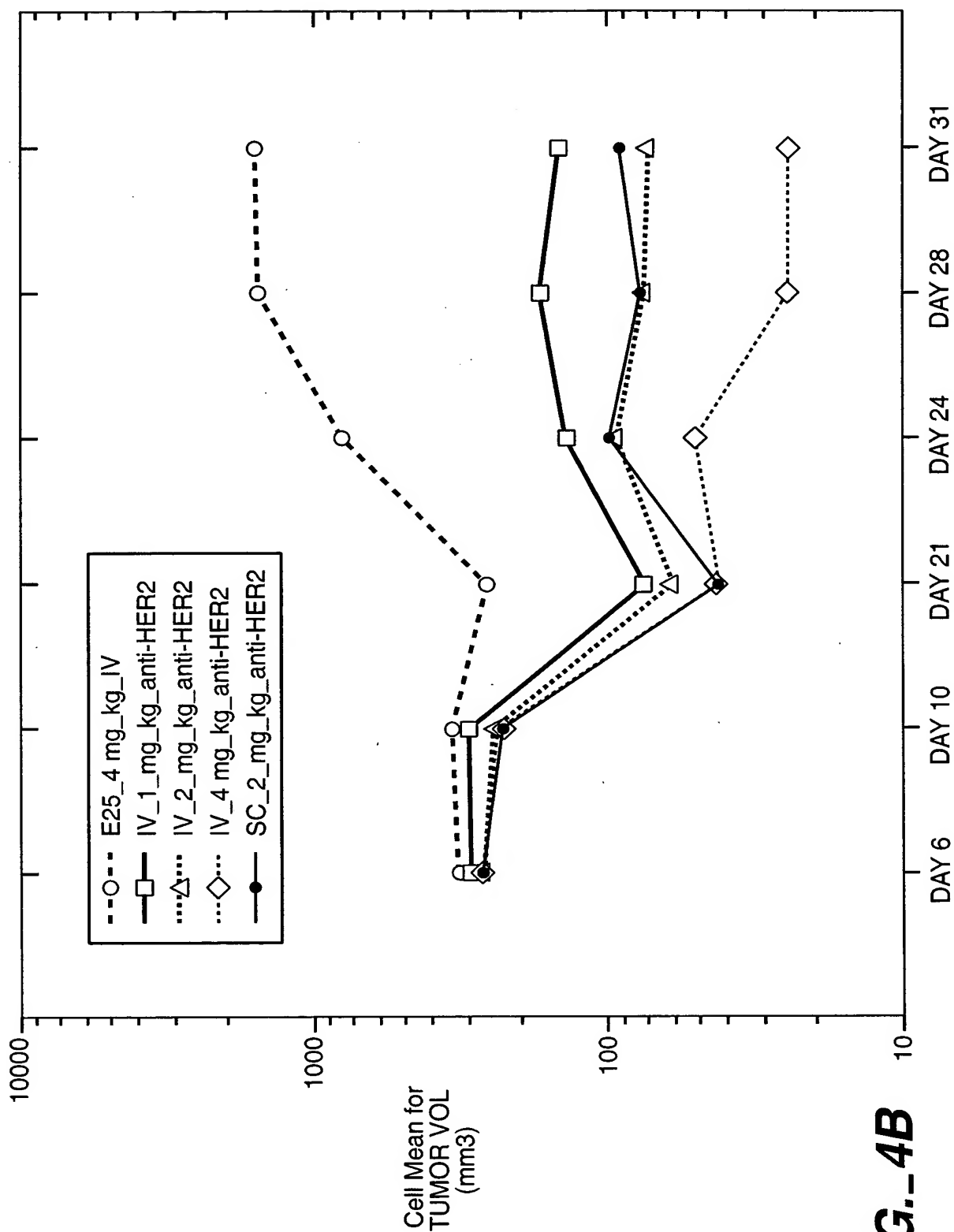


FIG. 4A

4 / 5



**FIG.\_4B**

5 / 5

## VARIABLE LIGHT

	1	10	20	30	40
2C4	DTVMTQSHKIMSTSVGDRVSITC [KASQDVSIGVA----] WYQQRP				
	**	**** *	*		*
574	DIQMTQSPSSLSASVGDRVTITC [KASQDVSIGVA----] WYQQKP				
			* * ****		
hum kI	DIQMTQSPSSLSASVGDRVTITC [RASQSVSTSSYSYMH] WYQQKP				
		50	60	70	80
2C4	GQSPKLLIY [SASYRYT] GVPDRFTGSGSGTDFTFITSSVQA				
	**		* *	* *	*
574	GKAPKLLIY [SASYRYT] GVPSRFSGSGSGTDFTLTISSLQP				
		* ****			
hum kI	GKAPKLLIY [AASSLES] GVPSRFSGSGSGTDFTLTISSLQP				
		90	100		
2C4	EDLAVYYC [QQYIIPYT] FGQGTKLEIK (SEQ ID NO:10)				
	* *		* *		
574	EDFATYYC [QQYIIPYT] FGQGTKVEIK (SEQ ID NO:12)				
		***			
hum kI	EDFATYYC [QQYNSLPYT] FGQGTKVEIK (SEQ ID NO:14)				

**FIG.\_5A**

## VARIABLE HEAVY

	1	10	20	30	40
2C4	EVQLQQSGPELVKPGTSVKISCKAS [GFTFTDYTMD] WVKQS				
	**	** *	* ****	**	*
574	EVQLVESGGGLVQPGLSLRLSCAAS [GFTFTDYTMD] WVRQA				
				** *	*
humIII	EVQLVESGGGSVQPGLSLRLSCAAS [GFTFSSYAMS] WVRQA				
		50	60	70	80
2C4	HGKSLEWIG [DVNPNSGGSIYNQRFKG] KASLTVDRSSRIVYM				
	* *	**		*** *	**** *
574	PGKGLEWVA [DVNPNSGGSIYNQRFKG] RFTLSVDRSKNTLYL				
		* *****	* ****	* *	*
humIII	PGKGLEWVS [VISGDGGSTYYADSVKG] RFTISRDDSKNTLYL				
		90	100	110	
2C4	ELRSLTFEDTAVYYCAR [NLGPSFYFDY] WGQGTTLVTSS (SEQ ID NO:11)				
	***	**		*	
574	QMNSLRAEDTAVYYCAR [NLGPSFYFDY] WGQGTTLVTSS (SEQ ID NO:13)				
		** ***			
humIII	QMNSLRAEDTAVYYCAR [GRGGGS--DY] WGQGTTLVTSS (SEQ ID NO:15)				

**FIG.\_5B**